

METHODS AND APPARATUS FOR PROVIDING A POWER SIGNAL TO AN  
AREA ARRAY PACKAGE

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ABSTRACT OF THE DISCLOSURE

An area array device has a grid array of primary electrical contacts coupled to a coupling surface of the device and configured to carry data signals between the area array package and a circuit board. The area array device also has an additional series of  
10 secondary electrical contacts coupled to the coupling surface of the device and configured to carry power signals between the area array package and the circuit board. The additional series of secondary electrical contacts provides a relatively large amount of power to the area array package while allowing a manufacturer to maintain the number of primary electrical contacts of the grid array configured to carrying data signals and  
15 therefore maintain the overall performance of the area array package.